



State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095
(603) 271-3406 FAX (603) 271-7894



May 7, 2002
Letter of Deficiency
DAM #157.07

Mr. Mo Y. Wong
110 Hartford Drive
Portsmouth, NH 03801

RE: Currier Pond Dam, Middleton

Dear Mr. Wong:

The Department of Environmental Services, Dam Bureau (DES) consistently strives to enhance the safety of dams in New Hampshire through its dam safety program. One of the many instruments that play a part in reaching this goal is our inspection program. DES is forwarding this correspondence to you to advise you that in accordance with RSA 482:12 and Env-Wr 502.02, an inspection of the subject dam was conducted on November 27, 2001. During this visual inspection and/or file review, the following deficiencies were observed:

1. There are no design or as built plans of the dam. It is unclear if the right embankment and/or the natural outlet/low area to the right of the dam is supposed to act as an emergency spillway;
2. There is a crack on both the right and left upstream spillway training walls. No displacement of the walls was observed;
3. There is a low area to the left of the spillway concrete training wall, approximately 6 inches below the top of the concrete;
4. The left earth embankment had good grass cover with no brush and trees observed
5. The right embankment slopes downward from the top of the spillway training wall to a distance of approximately 40 feet to the right and drops 2-3 feet in elevation;
6. The right embankment had fair grass cover with no brush or trees observed; and
7. There was no operation and maintenance plan (O&M) on file.

DES believes that the above deficiencies can be corrected by performing the following items by the indicated schedule:

DATE: August 1, 2002

1. Provide a plan and profile of the dam. At a minimum the plans should show the dam crest elevation across the entire length of the dam, to scale, including the natural outflow/low area to the right of the dam. The plans should also include the elevations of the downstream channel, spillway crest, emergency spillway elevation, and top of dam. In addition, the gravel road located 700 feet south east of the dam should be surveyed to determine if it is a dike or not;

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2. Repair the cracks on the upstream spillway training walls; and
3. Prepare and submit to the DES a written operational procedure plan. The plan should describe the control of impoundment levels, monitoring and maintenance procedures, and identify emergency contact personnel.

DES is requesting that you complete and submit the attached "Intent to Complete Repairs" form, within 30 days of receipt of this letter, that will provide for correction of the identified deficiencies by the date(s) indicated above. If you believe changes to the items of work or dates are necessary, please make the changes directly on the form and provide a brief explanation. We have enclosed a self addressed stamped envelope for you to return this form.

Our intent in sending you this correspondence is to make you aware of items that DES believes warrant your attention to insure the continued safe operation of your dam. It is our hope that, through the submittal of the attached form and a commitment to keeping a well-maintained dam, you will voluntarily comply with the requested items of work. If we do not receive the intent form or a similarly adequate written reply, we will assume that you are in agreement with our findings and recommendations and DES will carry out follow-up inspections accordingly.

If you have any questions or comments regarding this Letter of Deficiency or would like to be present at future inspections, please contact me at 271-3406, or write to the Water Division at the address listed on the top of the previous page.

Sincerely,



Jeffrey M. Blaney
Dam Safety Engineer

Attachments Guideline for an O&M plan, DB13

cc: Gretchen Rule

Town of Middleton

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JMB/was/h:/safety/wendy/lod/157-07lod.doc